;login:

The USENIX Association Newsletter

Volume 10, Number 2   **May 1985**

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NOTICE

;login: is the official newsletter of the USENIX Association, and is sent free of charge to all members of the Association.

The USENIX Association is an organization of AT&T licensees, sub-licensees, and other persons formed for the purpose of exchanging information and ideas about UNIX[†] and UNIX-like operating systems and the C programming language. It is a non-profit corporation incorporated under the laws of the State of Delaware. The officers of the Association are:

President   Alan G. Nemeth
Vice-President   Deborah K. Scherrer
Secretary   Lewis A. Law
Treasurer   Waldo M. Wedel

Directors   Thomas Ferrin
                     Steve C. Johnson
                     Lou Katz
                     Michael D. Tilson

Executive Director   James E. Ferguson
                     usenix!jim

The editorial staff of *;login:* is:

Technical Editor   Brian Redman
                     {bellcore,usenix}!ber
Copy Editor   Michelle Peetz
                     {masscomp,usenix}!mmp
Managing Editor   Tom Strong
                     usenix!tom
Editorial Director   Lou Katz
                     {ucbvax,usenix}!lou

Member Services

Member services are provided through the Association office. Membership information can be obtained from the office:

USENIX Association
P.O. Box 7
El Cerrito, CA 94530
(415) 528-8649
{ucbvax,decvax}!usenix!office

Contributions Solicited

Members of the UNIX community are heartily encouraged to contribute articles and suggestions for *;login:*. Your contributions may be sent to the editors electronically at the addresses above or through the U.S. mail to the Association office. The USENIX Association reserves the right to edit submitted material.

;login: is produced on UNIX using *troff* and a variation of the −me macros. We appreciate receiving your contributions in *n/troff* input format, using any macro package. If you contribute hardcopy articles please leave left and right margins of ¾″ and a top margin of 1½″ and a bottom margin of 1¼″. Hardcopy output from a line printer or most dot-matrix printers is not reproducible.

Acknowledgments

The Association uses a VAX[‡] 11/730 donated by the Digital Equipment Corporation for support of office and membership functions, preparation of *;login:*, and other Association activities. It runs 4.2BSD, which was contributed and installed and is maintained by mt Xinu. The VAX uses a sixteen line VMZ-32 terminal multiplexor donated by Able Computer of Irvine, California.

Connected to the VAX is a QMS Lasergrafix[*] 800 Printer System donated by Quality Micro Systems of Mobile, Alabama. It is used for general printing and draft production of *;login:* with *ditroff* software provided by mt Xinu.

To the Editors :

The 51% Solution

At the USENIX conferences in Dallas and Salt Lake, I was struck by the almost universal tendency to make any and all technical things masculine; programmers were "he", users were "he", customers were "he", tree nodes had "sons", network interfaces were "he", and, believe it or not, I even heard a device driver referred to as "he"!

The English language makes it difficult to avoid the occasional pronoun, and our culture makes it even harder. But yes, Virginia, there are female programmers, customers, and even gurus (I met my first over 20 years ago). The speakers must have had information I can only guess at to be so sure of the sex of their network interfaces and device drivers.

This kind of insensitivity is at best boorish. I doubt that most of the speakers intended to offend an important and rapidly growing segment of our membership. I urge the Portland speakers to be as creative and colorful in their metaphors as possible, but remember that we males are indeed a minority in the world. Perhaps we may be treated to a sprinkling of female inodes, system buffers, and name servers.

Steve Johnson

Solution to Last Month's Puzzle

```
#define NUL ' '
#define NULL       (char *)0
#define SQSIZ      16
/*
```
Solution to the puzzle which appeared in USENIX *;login:* for Feb 85. The (inefficient, but who cares?!) algorithm which is used:

For each of the 256 letters in puz, place the center of a Cartesian coordinate system at that letter. Then, construct each of the 8 rays of letters which include that letter and radiate out from it at 0, 45, 90, 135, 180, 225, 270, & 315 degrees. Look for a match of each C keyword with a substring of the same length which starts at the first char of each ray.

```
*/
char puz[16][16]  =
{
    'n','q','s','s','o','d','y','s','r','j','d','b','w','t','k','k',
    'l','q','r','p','x','k','o','e','w','d','m','r','h','a','v','e',
    'w','x','o','n','b','k','t','u','s','i','e','y','i','l','j','j',
    'h','s','i','t','a','u','p','z','b','o','t','t','l','y','x','s',
    'h','r','a','v','r','v','i','n','t','l','t','c','e','t','t','s',
    'm','t','s','n','t','j','x','m','a','m','e','c','h','a','r','p',
    'o','b','j','h','t','l','u','a','f','e','d','s','r','s','r','a',
    'o','g','i','r','o','k','n','q','c','p','c','z','u','w','n','c',
    'n','n','b','t','x','r','l','k','a','n','y','r','t','n','e','t',
    'u','u','p','g','u','e','t','h','s','y','c','i','t','a','t','s',
    't','p','n','v','m','s','i','z','e','o','f','x','t','e','b','y',
    'c','z','n','i','y','s','j','g','t','n','y','a','f','x','s','w',
    'u','z','v','f','o','h','r','n','j','r','o','v','l','t','i','a',
    'r','l','i','r','b','n','b','o','k','l','h','l','b','n','j','e',
    't','l','s','z','w','b','l','l','f','w','n','x','e','l','b','k',
    's','x','b','q','b','h','k','q','d','o','h','q','d','d','p','r',
};

char *kwd[]  =
{
```

```
        "auto",      "break",    "case",     "char",     "continue","default",
        "do",        "double",   "else",     "entry",    "enum",     "extern",
        "float",     "for",      "goto",     "if",       "int",      "long",
        "register","return",     "short",    "sizeof",   "static",   "struct",
        "switch",    "typedef",  "union",    "unsigned","void",      "while",
        NULL
};

main()
{
        char ray[8][SQSIZ+1];    /*NUL-term ray buf for each direction*/
        register int ir, ic;             /*row, column indices*/
        for (ir=0; ir<SQSIZ; ir++)
                for (ic=0; ic<SQSIZ; ic++)
                {
                            /*init ray bufs for this location*/
                        loadray(ir,ic,ray);
                            /*match C keywords against rays at
                                this location, printing result*/
                        match(ir,ic,kwd,ray);
                }
}       /*end main()*/

loadray(ir,ic,ray)
int ir, ic;
char ray[][SQSIZ+1];
{
        register char *p;
        register int jr, jc;
        for (p=ray[0],jr=ir,jc=ic; jc<SQSIZ; jc++)
                *p++ = puz[jr][jc];
        *p = NUL;
        for (p=ray[1],jr=ir,jc=ic; jr>=0 && jc<SQSIZ; jr--,jc++)
                *p++ = puz[jr][jc];
        *p = NUL;
        for (p=ray[2],jr=ir,jc=ic; jr>=0; jr--)
                *p++ = puz[jr][jc];
        *p = NUL;
        for (p=ray[3],jr=ir,jc=ic; jr>=0 && jc>=0; jr--,jc--)
                *p++ = puz[jr][jc];
        *p = NUL;
        for (p=ray[4],jr=ir,jc=ic; jc>=0; jc--)
                *p++ = puz[jr][jc];
        *p = NUL;
        for (p=ray[5],jr=ir,jc=ic; jr<SQSIZ && jc>=0; jr++,jc--)
                *p++ = puz[jr][jc];
        *p = NUL;
        for (p=ray[6],jr=ir,jc=ic; jr<SQSIZ; jr++)
                *p++ = puz[jr][jc];
        *p = NUL;
        for (p=ray[7],jr=ir,jc=ic; jr<SQSIZ && jc<SQSIZ; jr++,jc++)
                *p++ = puz[jr][jc];
        *p = NUL;
        return;
}       /*end loadray()*/
```

```
}       /*end loadray()*/

match(ir,ic,kwd,ray)
int ir, ic;
char **kwd;
char ray[][SQSIZ+1];
{
        register int i;
        register char **p;
        for (i=0; i<8; i++)
                for (p=kwd; *p!=NULL; p++)
                        if (strncmp(*p,ray[i],strlen(*p))==0)
                                printf("ir=%d ic=%d deg=%d word=%s0,ir,ic,i*45,*p);
}       /*end match()*/
```

Ed Arnold
National Center for Atmospheric Research
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Boulder, CO 80307-3000

{hplabs,nbires,brl-bmd,seismo,menlo70}!hao!scd-sa!era

The above program found 23 solutions to the puzzle in the February issue of ;login:. -Ed.

The USENIX Association Appoints an Executive Director

After an exhaustive and exhausting search of over 100 applicants, the USENIX Association Board of Directors is pleased to announce the appointment of Jim Ferguson as its Executive Director. Jim has a MBA degree in non-profit association management, a JD in law, and 24 years of experience managing a variety of organizations. Jim will report directly to the Board. He be responsible for the smooth operation of the USENIX Association including: supervision of office services, management of the office staff, coordination of conference planning, and supervision of the newsletter, tape distributions and other member services. Jim will handle public relations for the organization, as well as other areas which were neglected in the past. Among Jim's primary responsibilities will be improvement of the quality of member services, especially the newsletter.

Responsibility for the association's office will be transferred in the next two months from the management firm of Penny Penny & Strong, which has been operating our office in El Cerrito under contract since 1982. PP&S is to be credited for its fine job of initially setting up the office and assuring its smooth operation until USENIX could assume internal responsibility for its day-to-day operations.

The addition of an Executive Director should significantly improve the functioning and effectiveness of the association by reducing its reliance on a band of well-meaning but generally over-committed volunteers.

Jim can be reached electronically at {*ucbvax,decvax*}*!usenix!jim*. He will be at the Portland Conference, where we hope you will take the opportunity to meet him.

USENIX Association Office Committee
Lou Katz
Debbie Scherrer
Tom Ferrin

Summer 1985 USENIX Conference

The Summer 1985 USENIX Conference and Vendor Exhibition will be on June 11−14 in Portland, Oregon. Conference headquarters will be at the Portland Marriott Hotel. The conference host is Tektronix, Inc. The Conference will feature tutorials, technical sessions, birds of a feather sessions, a vendor exhibit, proceedings, and a salmon bake dinner to celebrate USENIX's tenth anniversary. The USENIX Association wishes to thank Tektronix, Inc. for their financial contribution towards the Tenth Anniversary Celebration.

Conference Committee

Conference Chair	Steve Glaser	Tektronix, Inc.
Program Chair	Greg Chesson	Silicon Graphics, Inc.
Program Committee	Eric Allman	Britton-Lee, Inc.
	Steve Bourne	Digital Equipment Corp.
	Sally Browning	AT&T Bell Laboratories
	Clement Cole	Masscomp
	Thomas Ferrin	University of California, San Francisco
	Steve Johnson	AT&T Bell Laboratories
	Kirk McKusick	University of California, Berkeley
	Dennis Ritchie	AT&T Bell Laboratories
Tutorial Coordinator	Michael Tilson	Human Computing Resources Corp.
USENIX Conference Coordinator	John Donnelly	
USENIX Meeting Planner	Judith DesHarnais	
Vendor Exhibition Manager	Peter Johnson	Industrial Presentations West, Inc.
Exhibition Technical Advisor	Randall Frank	University of Utah
Conference Host		Tektronix, Inc.

Schedule and Location of Events

Tutorials	Marriott and Hilton Hotels Tuesday, June 11, 9am−5pm
Vendor Exhibition	Marriott Hotel Tuesday, June 11, 12n−7pm Wednesday, June 12, 12n−7pm Thursday, June 13, 10am−5pm
Technical Sessions	Marriott Hotel and Civic Auditorium Wednesday, June 12, 8:30am−4:45pm Thursday, June 13, 8:30am−4:45pm Friday, June 14, 9am−3:30pm
Meeting of the Board with the members	Marriott Hotel Wednesday, June 12, 5pm−6:30pm
Birds of a Feather Sessions	Tuesday and Wednesday evenings
Software Tools Users Group	Marriott Hotel Wednesday, June 12, 7pm−9pm
GO Tournament (*tentative*)	Wednesday, June 12
Tenth Anniversary Celebration	Alderbrook Park Thursday evening

Tentative Tutorial and Technical Programs

TUESDAY, JUNE 11

9:00 - 5:00	**Tutorials**	Marriott and Hilton

UNIX System V Internals
   Maury Back and Steve Buroff, AT&T Bell Laboratories
4.2BSD Internals
   Kirk McKusick and Mike Karels, University of California, Berkeley
An Introduction to UNIX
   Steve Pozgaj, Human Computing Resources Corp.
Software Contracts and Intellectual Property
   Susan Nycum and James Marcellino, Gaston Snow & Ely Bartlett
UNIX Networking
   Bruce Borden, Silicon Graphics, Inc.
Advanced C Programming
   Walter Brown, Moravian College
Writing Portable C Programs
   Tom Plum, Plum Hall, Inc.
UUCP, Mail and News
   Mark Stein, Fortune Systems
Program Debugging under UNIX
   Perry Kivolowitz, Auxco
UNIX Systems Administration
   Ed Gould and Vance Vaughn, mt Xinu

12:00 - 7:00	Vendor Exhibition	Marriott
Evening	Birds of a Feather Sessions	

WEDNESDAY, JUNE 12

8:30	**Opening Announcements**	Civic Auditorium

8:45 - 10:00	**Keynote Address**
	   UNIX Evolution: Past, Present, Future
	   V. A. Vyssotsky, AT&T Bell Laboratories
		Civic Auditorium

10:00 - 10:30	Break	
10:30 - 11:45	**Electronic Darwinism** Chair: Greg Chesson	Civic Auditorium
11:45 - 1:15	Lunch Preliminary GO tournaments (*tentative*)	
1:15 - 2:45	**Languages I** Chair: Steve Johnson	Civic Auditorium
	Networking I Chair: Mike Karels	Marriott
2:45 - 3:15	Break	
3:15 - 4:45	**Languages II** Chair: Steve Johnson	Civic Auditorium
	Networking II Chair: Mike Karels	Marriott
12:00 - 7:00	Vendor Exhibition	Marriott
5:00 - 6:30	Meeting of the Board with the members	Marriott
7:00 - 9:00	Software Tools Users Group	Marriott

Evening   Birds of a Feather Sessions
/usr/group Technical Committee meeting
Grand Finale GO Tournaments (*tentative*)

THURSDAY, JUNE 13

Time	Session	Location
8:30 - 9:45	**Tools I** Chair: Dennis Ritchie	Civic Auditorium
	Array Processing Chair: Nancy Blachman	Marriott
9:45 - 10:15	Break	
10:15 - 11:45	**Tools II** Chair: Dennis Ritchie	Civic Auditorium
	Multiprocessing Chair: Gordon Bell	Marriott
11:45 - 1:15	Lunch	
1:15 - 2:45	**Operating Systems I** Chair: Kirk McKusick	Civic Auditorium
	Interfaces Chair: Sally Browning	Marriott
2:45 - 3:15	Break	
3:15 - 4:45	**Windows** Chair: Rob Pike	Civic Auditorium
	Operating Systems II Chair: Tom Ferrin	Marriott
10:00 - 5:00	Vendor Exhibition	Marriott
Evening	Alderbrook Indian Salmon Bake Tenth Anniversary Celebration	Alderbrook Park

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FRIDAY, JUNE 14

Time	Session	Location
9:00 - 10:30	**Performance I** Chair: Clem Cole	Civic Auditorium
	Hard Work I Chair: Eric Allman	Marriott
10:30 - 11:00	Break	
11:00 - 12:30	**Performance II** Chair: Clem Cole	Civic Auditorium
	Mail Chair: Eric Allman	Marriott
12:30 - 2:00	Lunch	
2:00 - 3:30	**Hard Work II** Chair: Greg Chesson	Civic Auditorium
	Compiler Optimization Chair: to be announced	Marriott

For more information see the pre-registration packet mailed in April or contact:

USENIX Conference Office   (213) 592-1381 or 592-3243
P.O. Box 385
Sunset Beach, CA 90742

Call for Memorabilia for the Summer '85 Conference

The 1985 Summer Conference will celebrate ten years of UNIX meetings. An attractive and nostalgic exhibit/event is planned. Anyone with photos, recordings or other memorabilia which they can share should contact Lou Katz at (415) 642-4972 or *ucbvax!lou*.

Representation to IEEE P1003 "UNIX Standards" Committee

John Quarterman of the University of Texas at Austin has agreed to represent the USENIX Association to the IEEE P1003 "UNIX Standards" Committee. John will attempt to communicate information to and determine the position of the USENIX membership on issues before the committee, and he will cast the USENIX vote. USENIX Board member Mike Tilson of Human Computing Resources Corp. will continue to serve as administrative liaison between the committee and the Board.

John will report to the membership at USENIX conferences and in *login:*. He may be reached at:

Computer Science Department
Painter Hall, Room 1.48A
University of Texas
Austin, TX   78712

/usr/group Technical Committee Forming at Portland

The /usr/group Standards Committee has recently merged with the IEEE P1003 Standards Committee to continue work on defining an appropriate interface to UNIX for applications programs. /usr/group is now forming a new Technical Committee to:

1. represent the interests of /usr/group members to their institutional representative on the IEEE P1003 Committee (Heinz Lycklama), and

2. generate discussions and proposals of technical issues in order to promote the acceptance of UNIX-based and UNIX-like systems in the computer industry.

The committee is intended to complement the efforts of the IEEE committee by concentrating on technical issues for which there is no consensus in the industry.

The Technical Committee will be sponsored by /usr/group; however, membership will be open to those with a *bona fide* interest in the goals of the committee.

The Technical Committee will be holding its first organizational meeting in conjunction with the USENIX Summer Conference in Portland. It is scheduled to be a birds of a feather session on Wednesday evening, June 12. The three topics to be addressed at the meeting are:

networking
internationalization
graphics

Some proposals will be generated and discussed at the meeting. Conference attendees are invited to attend and to join the committee.

You can also express your interest in the committee and obtain further information from:

Heinz Lycklama
Chair, /usr/group Technical Committee
Interactive Systems Corporation
2401 Colorado Avenue, 3rd Floor
Santa Monica, CA 90404

The UUCP Mapping Project: One Year Later

Karen Summers-Horton

Coordinator
USENIX UUCP Project

In April 1984, the USENIX Association funded for one year a project to collect, edit and disseminate network connection data for the UNIX "uucp Project". The project was ambitious from the beginning and involved coordinating volunteers from various parts of the world to collect, standardize, update, and distribute current network connection information for UUCP sites.

The initial data collection effort was accomplished by Rob Kolstad of Convex Computer Corp. and Scott Bradner and others at Harvard University. This phase was completed by May 1984. The initial database underwent many transformations to standardize the format, weed out obviously false data, and divide the data into geographical regions for easier dissemination and maintenance. During this time a recruitment effort took place, searching for volunteers to assist in the massive task of verifying all the information and keeping the "map" up-to-date. The UUCP network was divided into nine geographical regions and a central mailing address for updates was set up (*cbosgd!uucpmap*).

In June 1984, a number of project personnel met in Salt Lake City, Utah, at the annual Summer USENIX Conference. Progress reports were presented during one of the general conference sessions, and a "birds-of-a-feather" meeting was also held to openly discuss ideas pertaining to the project.

Also in June, the UUCP Sitename Registry was established by Lauren Weinstein (*vortex!registry*). The purpose of the registry is to resolve and prevent site name conflicts (UUCP site names must be distinct within the first six characters of the host name).

In July 1984, volunteers prepared for the posting of the UUCP map data to Usenet. This posting began in August 1984 and continued for several weeks. This first database posting was rather problematic, taking much longer than originally planned because of logistics in coordinating postings from different parts of the world. Nevertheless, several benefits were derived from this posting. Most importantly it gave many sites access to network connection data that previously had been either completely unavailable or available but poorly organized. Secondly, it gave the project volunteers some good ideas about how to attempt future postings of the map. Lastly, it made the UUCP community much more aware of the existence of our efforts. Because of this posting, we were able to receive many updates to the original database. Much of August 1984 was spent integrating updates into the database and, as a result of the great volume of new sites, re-aligning the geographical regions somewhat and adding a new region.

The next complete posting of the UUCP map took place on January 8th and 9th, 1985. In order to make the database more readable and provide for easier maintenance, while still keeping the data reasonably compact, significant format changes were made in this posting. The new and still used format is:

#N	name of site
#S	system type
#O	organization
#C	contact person
#E	contact person's electronic address
#T	contact person's telephone number
#P	organization's address
#L	latitude and longitude
#R	remarks
#W	who last edited the entry and when
#	
sitename	connection(FREQUENCY), connection(FREQUENCY), connection(FREQUENCY)

The different connection frequencies and implied connection costs are as follows:

LOCAL	25
DEDICATED	95
ARPA	100

```
DIRECT     200
DEMAND     300
HOURLY     500
EVENING    1800
DAILY      5000
WEEKLY     30000
DEAD       INF/2
```

Also, late in 1984, the project began to use USENIX Association's VAX-11/730 computer located in El Cerrito, California, as a central repository for the UUCP map database. Currently our maintenance volunteers update this central database on the first and fifteenth of every month.

A status report on the mapping project's progress was presented to attendees of the 1985 Winter USENIX Conference held in Dallas, Texas, in January.

In late February 1985, we announced a network of about a dozen UNIX machines around the country that have volunteered to keep up-to-date copies of the UUCP map on their machines and make these copies available to the general UUCP public. Also, in February, Mark Brader added latitude and longitude information for nearly all sites in the database.

Our map maintenance volunteers have devoted a considerable amount of time and energy over the past year. These people are: Rick Adams, Rick Kiessig, Doug McCallum, Teus Hagen, Piet Beertema, Bill Welch, Michael Brochstein, Bill Blue, Bret Marquis, Gordon Moffett, Greg Fowler, Lauren Weinstein and Gary Murakami.

Future plans and goals include: 1) another complete posting of the map in late April or early May 1985, 2) incorporation of the Usenet directory into the UUCP map database (hopefully this will be done in time for the next posting), and 3) plans to set up a continuous posting system, utilizing the *mod.map.uucp* newsgroup. It is planned that a different section of the map will be posted every three days, resulting in the complete map being posted every month. Also, since the temporary funding support by the USENIX Association has now expired, the project will be shifting to an entirely volunteer effort.

Comments and suggestions concerning the UUCP Mapping Project can be sent to *cbosgd!ksh*.

Summary of USENIX Board of Directors Meeting

Dallas, Texas
January 21st, 22nd and 25th, 1985

Present: Nemeth, Ferrin, Johnson, Katz, Law, Scherrer, Tilson, Wedel.

Guests at various times: Judy DesHarnais, Charisse Castagnoli, John Donnelly, Betty Madden, Karen Summers-Horton, Mark Horton.

Minutes of the Preceding Board Meeting

The minutes of the Golden, Colorado Board meeting held October 9th and 10th, 1984 were accepted as amended.

Executive Director

The position had been advertised and approximately 100 applications received. It was hoped that an appointment could be made before the next Board meeting. There was considerable discussion of benefits, and it was decided to seek outside expert help. There was discussion of the criteria for the post, and it was decided to re-advertise.

Newsletter Status Report

All six issues were produced in 1984, and things seemed to be going well. Brian Redman is doing an excellent job as Technical Editor.

Dallas Meeting

Matters affecting the immediate meeting were dealt with—lack of copyright release on papers; increased size of Proceedings; last minute schedule changes. Charisse Castagnoli said Rob Kolstad had formatted the Proceedings at very short notice, and had done an excellent job. A formal vote of thanks to Charisse Castagnoli and Rob Kolstad was proposed and seconded unanimously.

DesHarnais and Donnelly joined the meeting, giving a report on preregistration. 1500 rooms had been reserved at the Fairmont, and this number had already been exceeded. Complimentary registration for speakers was discussed, and it was resolved that at future meetings budgeted for more than 750 attendees, one speaker per paper would get full complimentary registration.

There had been sufficient problems organising the licensed tutorials that Tilson recommended not having them in the future, relying only on unlicensed tutorials.

Distribution Tape Status Report

mt Xinu kindly donated the Berkeley 4.2BSD buglist to USENIX, and it was included on the distribution tape. The 84.2 tape was duplicated and copies were sitting in the office waiting for shipping. Some submissions had been received for the next distribution tape, 85.1.

Office Report

There was discussion of space, staffing, and overtime. Betty Madden joined the meeting: the USENIX booth at the Anatole Hotel was very busy; the workload due to distribution of the 4.2BSD manuals was heavy; it was decided that a maintenance contract should be obtained for the computer.

Office Computer

Disk space is getting short; the integrated controller can not handle more drives; the UDA50 route is expensive. No solution yet.

QMS had agreed in principle to donate a QMS800 laser printer. Ferrin was to follow up.

UUCP telephone costs were largely due to the mapping project.

UNIX Manuals

The second printing was under way: various improvements have been incorporated, errors and omissions fixed, and a copyright notice added. It would not be affected by the release of 4.3BSD, which consisted largely of performance enhancements. Ferrin was asked to present a financial summary for the first printing at the next Board meting.

Workshops

There were 55 attendees at the Graphics Workshop organised by Katz and Bornholtz. It appeared to be successful, and probably should be repeated in the future, but at a better site. DesHarnais presented a financial summary for the meeting, which did not include the cost of the Proceedings.

The Communications Workshop was cancelled, resulting in a financial liability to the hotel. It was agreed that two workshops per year should be organised, with better administrative support. Many topics were suggested. Nemeth was asked to publish information in *;login:*.

IEEE Standards Committee

Tilson had been asked to represent USENIX, and be its official liaison person. After some discussion, it was agreed that Tilson should be the liaison, accept the right to vote, but abstain until policy has been determined at the next Board meeting.

Satellite Experiment

There was much discussion of the project, including legal issues, but nothing was resolved before the meeting adjourned at 6pm. After reconvening at 9.15am Tuesday, Johnson said that discussion over dinner had clarified many of the issues concerning moderation of netnews—basically, satellite transmission would allow unmoderated news, but the present telephone based system would probably be adequate for a moderated news system.

Katz was asked to chair a committee to generate a firm proposal for the future of the satellite/netnews issue.

Financial Report

Wedel presented a financial report; various items were questioned and resolved, and it was agreed that the statement should be published in the February issue of *;login:*.

Publication of Papers

Johnson had talked to the editor of *Software Practice and Experience*, who agreed to publish 5 or 6 referreed papers from the Portland (Summer 85) Conference.

Future Meetings

Portland

Responsibilities were assigned for the meeting. Only a small number of vendors had signed up—follow up was needed. Steve Bourne had resigned as Technical Chair of the Portland meeting, his place being taken by Greg Chesson. A schedule was agreed upon. It will be the tenth anniversary of the first meeting of UNIX enthusiasts.

Anaheim, January '86

As there is no available hotel space in Anaheim for a meeting in conjunction with UniForum, it was thought necessary to look for alternative sites—the Marriott and Fairmont Hotels in Denver are available. After some discussion of meeting at a site remote from UniForum, a proposal emerged to hold a meeting in Denver based on a topic or theme for each day of a three day conference, to be proceeded as usual by tutorials. Many topics surfaced quickly.

Tilson was asked to write an article for the February issue of *;login:* explaining why the Association will meet in Denver in January '86, rather than in Anaheim.

The tentative meeting schedule was set as follows:

June 9-13, 1986	Atlanta
Winter, 1987	San Diego or Anaheim
June 8-12, 1987	Phoenix
Winter, 1988	not yet scheduled
Summer, 1988	Philadelphia?
Summer, 1989	San Francisco?

UUCP Project

Karen Summers-Horton and Mark Horton presented written reports. Ferrin and Scherrer were asked to make a status report in *;login:*, look at all issues, and report back to the Board.

Insurance

The Association has purchased insurance covering errors and omissions. Scherrer was asked to have an understandable summary prepared.

Publications Available

The following publications are available from the Association Office or the source indicated. Prices and overseas postage charges are per copy. California residents please add applicable sales tax. Payments must be enclosed with the order and must be in US dollars payable on a US bank.

USENIX Conference Proceedings

Meeting	Location	Date	Price	Overseas Postage	Source
USENIX	Dallas	Winter '85	$20	$15	USENIX
USENIX	Salt Lake	Summer '84	$25	$15	USENIX
UniForum	Wash. DC	Winter '84	$30	$20	/usr/group
USENIX	Toronto	Summer '83	$30	$15	USENIX
UNICOM	San Diego	Winter '83	$25	$15	USENIX

USENIX Association
P.O. Box 7
El Cerrito, CA 94530

/usr/group
4655 Old Ironsides Dr., #200
Santa Clara, CA 95050

EUUG Publications

The EUUG Newsletter, which is published four times a year, is available for $4 per copy or $16 for a full-year subscription. The earliest issue available is Volume 3, Number 4 (Winter 1983).

The July 1983 edition of the EUUG Micros Catalog is available for $8 per copy.

Local User Groups

The USENIX Association will support local user groups in the United States and Canada in the following ways:

● Assisting the formation of a local user group by doing an initial mailing for the group. This mailing may consist of a list supplied by the group, or may be derived from the USENIX membership list for the geographical area involved. At least one member of the organizing group must be a current member of the USENIX Association. Membership in the group must be open to the public.

● Publishing information on local user groups in *;login:* giving the name, address, phone number, net address, time and location of meetings, etc. Announcements of special events are welcome; send them to the editor at the USENIX office.

Please contact the USENIX office if you need assistance in either of the above matters. Our current list of local groups follows.

In the **Boulder** Colorado area a group meets about every two months at different sites for informal discussions.

Front Range Users Group
N.B.I., Inc.
P.O. Box 9001
Boulder, CO 80301

Steve Gaede   (303) 444-5710
hao!nbires!gaede

Dallas / Fort Worth UNIX User's Group
Advanced Computer Seminars
2915 L.B.J. Freeway, Suite 161
Dallas, TX 75234

Irv Wardlow   (214) 484-UNIX

In the **Washington, D.C.**, area an informal group meets every two months or so. The current contact is:

Neil Groundwater   (703) 893-6140
Analytic Disciplines, Inc.
Suite 300
8320 Old Courthouse Road
Vienna, VA 22180

npg@lbl-csam

In the **New York City** area there is a non-profit organization for users and vendors of products and services for UNIX systems.

Unigroup of New York
G.P.O. Box 1931
New York, NY 10116

In **Minnesota** a group meets on the first Wednesday of each month. For information contact:

UNIX Users of Minnesota
Carolyn Downey   (612) 934-1199

In the **Atlanta** area there is a group for people with interest in UNIX or UNIX-like systems:

Atlanta UNIX Users Group
P.O. Box 12241
Atlanta, GA 30355-2241

Marc Merlin   (404) 255-2848
Mark Landry   (404) 874 6037

In the **Seattle** area there is a group with over 150 members, a monthly newsletter and meetings the fourth Tuesday of each month.

Seattle / UNIX Group
P.O. 58852
Seattle, WA 98188

Irene Pasternack   (206) FOR-UNIX
uw-beaver!tikal!ssc!slug

An informal group is starting in the **St. Louis** area:

St. Louis UNIX Users Group
Plus Five Computer Services
765 Westwood, 10A
Clayton, MO 63105

Eric Kiebler   (314) 725-9492
ihnp4!plus5!sluug

In the **northern New England** area is a group that meets monthly at different sites. Contact one of the following for information:

Emily Bryant   (603) 646-2999
Kiewit Computation Center
Dartmouth College
Hanover, NH 03755

decvax!dartvax!emilyb

David Marston   (603) 883-3556
Daniel Webster College
University Drive
Nashua, NH 03063

A new UNIX/C language users group has been formed in **Tulsa**. For current information on meetings, etc. contact:

Pete Rourke
$USR
7340 East 25th Place
Tulsa, OK 74129

Portland Meeting and
USENIX Tenth Anniversary Celebration

UUCP Mapping Project

New Executive Director

Change of Address Form

Please fill out and send the following form through the U.S. mail to the Association Office at the address above.

Name: _____ Member #: _____

OLD: _____   NEW: _____

_____   _____

_____   _____

_____   _____

                        Phone: _____

                        uucp: {decvax,ucbvax}! _____